

IFW

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Jiamning CHEN et al.

Docket No.

133697-0006

Application No.

10/549,987

Filing Date

9/19/2005

Examiner

Unknown

Customer No.

35684

Group Art Unit

1614

Inventor: **COENZYME Q10 CONTAINING PROLIPOSOME AND PREPARATION THEREOF**



I hereby certify that this Certificate of Mailing, Transmittal Ltr and Request for Corrected Filing Receipt

(Identify type of correspondence)

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

August 22, 2006

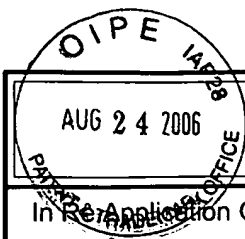
(Date)

Debra L. Burns

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.



TRANSMITTAL LETTER
(General - Patent Pending)

Docket No.
133697-0006

In Re: Application Of: **Jiamning CHEN, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/549,987	9/19/2005	Unknown	35684	1674	8330

Title: **COENZYME Q10 CONTAINING PROLIPOSOME AND PREPARATION THEREOF**

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

Certificate of Mailing by First Class Mail (1 pg)
Request for Corrected Filing Receipt (2 pgs)

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **12-2136** as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.


Signature

Dated: August **22**, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

August **22**, 2006

(Date)


Signature of Person Mailing Correspondence

Debra L. Burns

Typed or Printed Name of Person Mailing Correspondence

CC:



PATENT APPLICATION

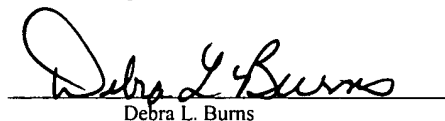
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group }
Art Unit: 1614 }
Attorney }
Docket No.: 133697-0006 }
Applicants: Jianming CHEN, et al. }
Invention: COENZYME Q₁₀ CONTAINING }
PROLIPOSOME AND PREPARATION }
THEREOF }
Serial No: 10/549,987 }
Filed: September 19, 2005 }
Examiner: Unknown }

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, P O Box 1450, Alexandria, VA 222313-1450

on August 22, 2006


Debra L. Burns

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner For Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:


Enclosed is a copy of the Filing Receipt received in connection with the above-identified application.

As indicated by the hand-written correction on the enclosed copy of the Filing Receipt the Domestic Priority Data number is incorrect. The correct Domestic Priority Data number should be **PCT/CN04/000234**

The correct Domestic Priority number can be found on the translation of the International Application previously filed, a copy of the front page being attached hereto.

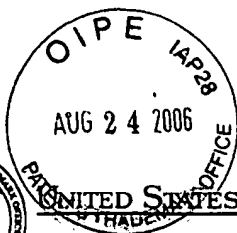
The undersigned respectfully requests a corrected Filing Receipt showing the correct the Domestic Priority Number of PCT/CN2004/000234 for the above-identified application.

Respectfully submitted,



Michael S. Gzybowski
Reg. No. 32,816

BUTZEL LONG
350 South Main Street
Suite 300
Ann Arbor, Michigan 48104
(734) 995-3110



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/549,987	09/19/2005	1614	1260 <i>940</i>	133697-0006		9 <i>18</i>	1

CONFIRMATION NO. 8330

35684
 BUTZEL LONG
 350 SOUTH MAIN STREET
 SUITE 300
 ANN ARBOR, MI 48104

RECEIVED
BUTZEL LONG

AUG - 7 2006

FILING RECEIPT



OC000000019855148

RESPONSE DUE:

N/A
 DOCKET 1 *110* DOCKET 2

Date Mailed: 08/02/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Jianming Chen, Shanghai, CHINA;
 Shen Gao, Shanghai, CHINA;
 Huiliang Li, Shanghai, CHINA;
 Huifen Lin, Shanghai, CHINA;
 Shaomin Wei, Shanghai, CHINA;
 Yangmei Zhang, Shanghai, CHINA;
 Luo Lu, Shanghai, CHINA;
 Yangiang Zhong, Shanghai, CHINA;
 Qing Shi, Shanghai, CHINA;
 Yiguang Guo, Shanghai, CHINA;
 Fei Guan, Shanghai, CHINA;
 Wei Wang, Shanghai, CHINA;
 Laiji Ma, Shanghai, CHINA;
 Juan Gu, Shanghai, CHINA;

Power of Attorney: The patent practitioners associated with Customer Number **35684**.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/CN04/00234 03/22/2004

Foreign Applications

CHINA 03115914.1 03/20/2003

If Required, Foreign Filing License Granted: 08/01/2006

The country code and number of your priority application, to be used for filing abroad under the Paris

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日:
2004年9月30日(30.09.2004)

PCT

(10) 国际公布号:
WO 2004/082668 A1

(51) 国际分类号⁷: A61K 31/122, 31/164, 9/127, 7/48, A61P 17/02, 17/14, 17/16, 17/00

(21) 国际申请号: PCT/CN2004/000234

(22) 国际申请日: 2004年3月22日(22.03.2004)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
03115914.1 2003年3月20日(20.03.2003) CN

(71) 申请人(对除美国以外的所有指定国): 上海家化联合股份有限公司(SHANGHAIJIAHWA UNITED CO., LTD.) [CN/CN]; 中国上海市宝定路527号, Shanghai 200082 (CN).

(72) 发明人;及

(75) 发明人/申请人(仅对美国): 陈建明(CHEN, Jianming) [CN/CN]; 高申(GAO, Shen) [CN/CN]; 李慧良(LI, Huiliang) [CN/CN]; 林惠芬(LIN, Huifen) [CN/CN]; 魏少敏(WEI, Shaomin) [CN/CN]; 张仰眉(ZHANG, Yangmei) [CN/CN]; 吕洛(LU, Luo) [CN/CN]; 钟延强(ZHONG, Yanqiang) [CN/CN]; 史青(SHI, Qing) [CN/CN]; 郭奕光(GUO, Yiguang) [CN/CN]; 管斐(GUAN, Fei) [CN/CN]; 王巍(WANG, Wei) [US/US]; 马来记(MA, Laiji) [CN/CN]; 顾娟(GU, Juan) [CN/CN]; 中国上海市宝定路527号上海家化联合股份有限公司, Shanghai 200082 (CN).

(74) 代理人: 隆天国际知识产权代理有限公司(LUNG TIN INTERNATIONAL INTELLECTUAL PROPERTY

AGENT LTD.); 中国北京市朝阳区慧忠路5号远大中心B座18层, Beijing 100101 (CN).

(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) 指定国(除另有指明, 要求每一种可提供的地区保护): ARIPO(BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

根据细则4.17的声明:

- 关于申请人在国际申请日有权申请并被授予专利(细则4.17(ii))对除美国以外的所有指定国
- 发明人资格(细则4.17(iv))仅对美国

本国际公布:

- 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: COENZYME Q₁₀-CONTAINING PROLIPOSOME AND PREPARATION THEREOF

(54) 发明名称: 一种辅酶Q₁₀前体脂质体及其制备方法

(57) Abstract: A coenzyme Q₁₀ and ceramide-containing proliposome, and the use for the manufacture of a pharmaceutical preparation and cosmetics thereof. The proliposome comprise further other lipid components. The granular and lyophilized solid-preparation is produced by lyophilization or spray drying. Then, the coenzyme Q₁₀-containing proliposome is obtained by adding water in the said soil-preparation and shaking. The present invention can further improve the transdermal absorption of coenzyme Q₁₀; improve the effect of coenzyme Q₁₀ in cosmetics; and improve the stability of coenzyme Q₁₀ and liposome, which facilitate the formulation of cosmetics.

(57) 摘要

本发明涉及药物制剂和化妆品领域, 特别涉及一种含神经酰胺的辅酶 Q₁₀ 脂质体及其在制备药物制剂和化妆品中的用途。本发明其结构中还可能含有其它脂质成分, 经冷冻干燥或喷雾干燥, 制成颗粒状、冻干状固体制剂, 使用前加一定量的水, 经水合, 振荡即能回复成辅酶 Q₁₀ 脂质体。本发明能进一步提高辅酶 Q₁₀ 的透皮吸收, 提高辅酶 Q₁₀ 在化妆品中的使用效果, 能提高辅酶 Q₁₀ 和脂质体的稳定性, 使在化妆品配方使用时更灵活、方便。